David A. Catino

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Summary of Qualifications

Enthusiastic Software Engineer with more than a decade of experience building secure and efficient full-stack solutions using Node.js, .NET MVC, Java, and Agile methodologies. Possesses exposure to mainframe systems, COBOL, and containerization technologies such as Docker. Demonstrates a proactive approach to learning and adapting to diverse technologies, including legacy systems. With a strong focus on cybersecurity best practices, has a proven track record of leading successful project delivery within budget and exceeding client expectations.

Accomplishments

- Streamlined the automated testing environment using Docker, Ruby on Rails, and Jenkins.
- Led my team to create and implement a project funding tracker and audit trail for internal U.S. Department of Defense (DoD) projects, enhancing transparency and accountability.
- Spearheaded the migration of multiple Java projects to .Net MVC for the DoD, resulting in improved security, performance, and maintainability.
- Demonstrated strong leadership skills in guiding my team through the successful migration to .NET MVC from Java.
- Implemented security patches for DoD projects, ensuring alignment with the OWASP (Open Worldwide Application Security Project) recommendations and STIG (Security Technical Implementation Guides) security recommendations.
- Implemented secure data export to Excel and PDF formats, ensuring compliance with government security standards.

Technical Skills

- Programming Languages: C#, Java, Node.js, JavaScript, COBOL
- Web Development: React, Angular, .NET MVC, Bootstrap, jQuery, TypeScript
- Databases: MS SQL, MySQL, Azure Cosmos DB (NoSQL), Oracle Database
- Data Exchange: JSON, XML, RESTful API, OData, WSDL
- DevOps/Containerization: Docker, Jenkins, CI/CD Pipelines, Git
- Additional Skills: Problem Solving, Agile Methodologies, Team Leadership, Project Management, Cybersecurity, Adaptable to Legacy Systems and Languages

Professional Experience

Information Technology Specialist (Federal Employee), December 2024 to Current
Internal Revenue Service (IRS), U.S. Department of the Treasury - Bethlehem, PA

- Rapidly acquired introductory knowledge of mainframe systems and COBOL programming.
- Assisted in initial phases of security program implementation, focusing on understanding vulnerability assessment processes.
- Participated in reviews of proposed system designs, contributing to the identification of potential security risks.

- Contributed to early-stage discussions regarding vulnerability reporting criteria.
- Engaged in learning and application of new systems design methodologies.

Senior Software Engineer, July 2023 to June 2024

B. Braun Medical Inc. – Bethlehem, PA
- Collaborated effectively with teams to deliver key application features using Ruby on Rails, Angular, and .NET.
- Streamlined security processes through SBOM implementation.
- Identified and resolved bugs impacting multiple projects, ensuring optimal functionality and user experience.

Web Developer, July 2011 to July 2023

Universal Technical Resource Services, Inc. (UTRS) – Dover, NJ, Picatinny Arsenal (Department of Defense Contractor - Government IT Services)
- Led my team's successful transition from Java to .NET MVC, improving efficiency and providing comprehensive training.
- Provided technical support and worked closely with end users, clients and stakeholders to develop custom solutions and ensure their ongoing satisfaction.
- Ported legacy Oracle ADF/Apache Trinidad applications to .NET MVC Core Entity Framework, modernizing critical systems.
- Maintained and optimized applications and database jobs in various environments, focusing on ensuring maximum uptime.
- Developed secure web applications using .NET, C#, and Java, implementing a custom library for secure file access.
- Enhanced application security by implementing patches aligned with DoD security standards and ensuring secure data export to PDF and Excel.

Education

Bachelor of Science in Information Sciences and Technology, May 2011

    Penn State University – University Park, PA

CompTIA CySA+ Continuing Education (CE)

CompTIA Security+ Continuing Education (CE)

Microsoft Azure Fundamentals (AZ-900)

Department of the Army Certificate Cyber Security Fundamentals (CSF) 25 CPE Hours